SEQUENCE LISTING

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GUPTA, ABHAS

<120> DETECTING PROTEIN SIMILARITY

<130> 14937.0011 PCT

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<141> 2004-11-23

<150> 60/524,084
<151> 2003-11-23

<160> 11

<170> PatentIn Ver. 3.3

<210> 1
<211> 35
<212> PRT
<213> Homo sapiens

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Cys Gly Ser Val Pro His Asp Thr Trp Leu Pro Lys Lys Cys Ser Leu
1 5 10 15

Cys Lys Cys Trp His Gly Gln Leu Arg Cys Phe Pro Gln Ala Phe Leu
20 25 30

Pro Gly Cys
35

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Cys Glu Ser Ile Met Arg Arg Arg Gly Leu Thr Ser Pro Cys Lys Asp
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Ile Asn Thr Phe Ile His Gly Asn Lys Arg Ser Ile Lys Ala Ile Cys
20 25 30

Glu Asn Lys Asn Gly Asn Pro His Arg Glu Asn Leu Arg Ile Ser Lys
35 40 45

Ser Ser Phe Gln Val Thr Thr Cys Lys Leu His Gly Gly Ser Pro Trp
50 55 60

Pro Pro Cys Gln Tyr Arg Ala Thr Ala Gly Phe Arg Asn Val Val Val
65 70 75 80

Ala Cys

<210> 3
<211> 89
<212> PRT
<213> Homo sapiens

<400> 3
Cys Thr Ile Ala Met Arg Ala Ile Asn Asn Tyr Arg Trp Arg Cys Lys
1 5 10 15

Asn Gln Asn Thr Phe Leu Arg Thr Thr Phe Ala Asn Val Val Asn Val
20 25 30

Cys Gly Asn Gln Ser Ile Arg Cys Pro His Asn Arg Thr Leu Asn Asn
35 40 45

Cys His Arg Ser Arg Phe Arg Val Pro Leu Leu His Cys Asp Leu Ile
50 55 60

Asn Pro Gly Ala Gln Asn Ile Ser Asn Cys Arg Tyr Ala Asp Arg Pro
65 70 75 80

Gly Arg Arg Phe Tyr Val Val Ala Cys
85

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<211> 68
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Cys Asn Gln Met Met Lys Ser Arg Asn Leu Thr Gln Asn Arg Cys Lys
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Pro Val Asn Thr Phe Val His Glu Ser Leu Ala Asp Val Gln Ala Val
20 25 30

Cys Ser Gln Lys Asn Val Ala Cys Lys Asn Gly Gln Thr Asn Cys Tyr
35 40 45

Gln Ser Tyr Ser Thr Met Ser Ile Thr Asp Cys Arg Glu Thr Gly Ser
50 55 60

Ser Lys Tyr Pro
65

<210> 5
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<213> Homo sapiens

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Cys Asp Ser Ala Met Arg Asp Ile Asn Lys His Thr Lys Arg Cys Lys
1 5 10 15

Asp Leu Asn Thr Phe Leu His Lys Pro Phe Ser Ser Val Ala Ala Thr
20 25 30

Cys Gln Thr Pro Asn Ile Thr Cys Lys Asn Gly His Lys Asn Cys His
35 40 45

Gln Ser His Arg Pro Val Ser Leu Thr Met Cys Gly Leu Thr Ser Gly
50 55 60

Lys Tyr Pro Asn Cys Arg Tyr Lys Glu Glu His Gln Asn Lys Ser Tyr
65 70 75 80

Val Val Ala Cys

<210> 6
<211> 78
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<213> Homo sapiens

<400> 6
Cys Asn Val Met Met Val Arg Arg Gly Met Thr Ala His Gly Arg Cys
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Lys Ser Phe Asn Thr Phe Val His Thr Asp Pro Arg Asn Leu Asn Thr
20 25 30

Leu Cys Ile Asn Gln Pro Asp Gln Ala Leu Arg Thr Thr Arg Arg His
35 40 45

Phe Arg Ile Thr Asp Cys Lys Leu Ile Arg Ser His Pro Thr Cys Arg
50 55 60

Tyr Ser Gly Asn Gln Phe Asn Arg Arg Val Arg Val Gly Cys
65 70 75

<210> 7
<211> 87
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<213> Homo sapiens

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Cys Asp Asp Ala Met Arg Val Val Asn Arg Tyr Thr Gly Lys Cys Lys
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Asp Leu Asn Thr Phe Leu His Thr Thr Phe Ala Asp Ala Val Arg Val
20 25 30

Cys His Asn Pro Arg Lys Thr Cys Lys Asp Gly Thr Ser Pro Asn Cys
35 40 45

His Asp Ser Ser Ser Lys Val Ser Val Thr Ile Cys Lys Leu Thr Lys
50 55 60

Arg Ala Arg Asn Tyr Ser Gln Cys Arg Tyr Lys Thr Thr Gly Ala Glu
65 70 75 80

Lys Ser Tyr Thr Val Ala Cys
85

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<212> PRT
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<400> 8
Cys Asn Val Glu Met Gln Arg Ile Asn Arg Phe Arg Arg Thr Cys Lys
1 5 10 15

Gly Leu Asn Thr Phe Leu His Thr Ser Phe Ala Asn Ala Val Gly Val
20 25 30

Cys Gly Asn Pro Ser Gly Leu Tyr Asn Asp Asn Ile Ser Arg Asn Cys
35 40 45

His Asn Ser Ser Ser Arg Val Arg Thr Thr Val Cys Asn Ile Thr Ser
50 55 60

Arg Arg Arg Thr Pro Tyr Thr Gln Cys Arg Tyr Gln Pro Arg Arg Ser
65 70 75 80

Leu Glu Tyr Tyr Thr Val Ala Cys
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<211> 86
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Cys Thr Pro Ala Met Lys Gly Val Asn Asn Tyr Thr Gly Arg Cys Lys
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Asn Ile Asn Thr Phe Leu Asn Thr Ser Phe Ala Ala Val Val Ser Val
20 25 30

Cys Gly Asn Lys Asn Thr Thr Cys Arg Asn Gly His Thr Asn Cys His
35 40 45

Asn Ser Ser Ala Pro Val Ser Leu Thr Tyr Cys Asn Leu Thr Thr Trp
50 55 60

Ser Ser Asn Tyr Thr Gln Cys Arg Tyr Gln Thr Thr Pro Ala Thr Lys
65 70 75 80

Phe Tyr Arg Ile Ala Cys
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<212> PRT
<213> Homo sapiens

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Cys Thr Asn Ala Met Arg Val Ile Asn Asn Tyr Gln Arg Arg Trp Lys
1 5 10 15

Asn Arg Asn Thr Phe Leu Leu Ala Thr Phe Ala Asn Val Val Asn Val
20 25 30

Cys Gly Asn Pro Thr Ile Thr Cys Pro His Asn Arg Thr Leu Asn Asn
35 40 45

Cys His His Ser Gly Val Gln Val Pro Leu Met Tyr Cys Asn Leu Thr
50 55 60

Thr Pro Ser Pro Gln Asn Ile Ser Asn Cys Arg Tyr Ala Gln Thr Pro
65 70 75 80

Ala Asn Met Phe Tyr Ile Val Ala Cys
85

<210> 11
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<212> PRT
<213> Homo sapiens

<400> 11
Cys Asn Leu Met Met Phe Cys Gln Lys Met Thr Gln Gly Lys Cys Lys
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Pro Val Asn Thr Phe Val His Glu Ser Leu Ala Asp Val Lys Ala Val
20 25 30

Cys Ser Gln Lys Lys Val Thr Cys Lys Asn Gly Gln Thr Asn Arg Tyr
35 40 45

Gln Ser Lys Ser Thr Met Arg Ile Thr Asp Cys Arg Glu Thr Gly Ser
50 55 60

Ser Lys Tyr Pro Asn Cys Ala Tyr Lys Thr Thr Gln Val Glu Lys Arg
65 70 75 80

Ile Ile Val Ala Cys
85